M. Heizel FR OU 4-12 1135.3.38



# **Department of Energy**

Idaho Operations Office 850 Energy Drive Idaho Falls, Idaho 83401-1563

January 29, 1997

ERM - PMC IDAHO FALLS

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RICKA HULSE

Mr. Wayne Pierre, Team Leader Environmental Cleanup Office U. S. Environmental Protection Agency Region X 1200 Sixth Avenue Seattle, WA 98101

Mr. Dean Nygard, Acting Bureau Chief
Idaho Department of Health and Welfare Division of Environmental Quality
Community Services
1410 North Hilton
Boise, ID 83706-1255

SUBJECT: Transmittal of Corrected Pages for the Post Record of Decision Monitoring Plan for Central Facilities Area Landfills I, I, and III, Operable Unit 4-12 - (OPE-ER-06-97)

Dear Mr. Pierre and Mr. Nygard:

You will find enclosed the subject corrected pages for the Post-Record of Decision (Post-ROD) Monitoring Plan for the Central Facilities Area (CFA) Landfills, Operable Unit (OU) 4-12 at the Idaho National Engineering Laboratory (INEL). The following pages comprise the corrections and incorporate the Idaho Department of Health and Welfare (IDHW) - Division of Environmental Quality comments received on November 7, 1996: pages 5-1, 5-2, 5-3, and 5-4 of the monitoring work plan (OU 4-12, Monitoring WP, INEL-95/0579) and pages 4-1 and 4-2 of the monitoring plan (OU 4-12, Post-ROD MP, INEL-95/0585), as well as revised pages for the Sampling and Analysis Plan (SAP) tables.

The pump suction elevations referenced in the IDHW comments, Comment #5, were obtained from various records with varying degrees of uncertainty with the associated pump suction elevations. The SAP table has been revised to reflect these approximate depths.

These corrected pages are provided for your information and to bring your copies of the document up to date.

If you have any questions regarding this matter or desire additional copies of the enclosure, then please contact me at (208) 526-0436 or Alan J. Dudziak of my staff at (208) 526-7027.

Sincerely,

Nolan R. Jensen, Acting Manager Environmental Restoration Program

### Enclosure

cc: H. Orlean, EPA, ECL-113, 1200 Sixth Avenue, Seattle, WA 98101 (w/2)

D. Hovland, IDHW, 1410 N. Hilton, Boise, ID 83706 (w/2)

M. S. Rosenberger, IDHW EIRO, 900 North Skyline, Suite B, Idaho Falls, ID 83402 (w/3)

## **SECTION 5**

### **GROUNDWATER MONITORING**

## 5.1 Groundwater Monitoring Objectives

The objectives of groundwater monitoring at the CFA Landfills are to:

- Provide data to evaluate potential leaching of contaminants to the Snake River Plain Aquifer,
- Establish a baseline of potential contaminant concentrations in the aquifer against which future data could be compared.
  - Monitor the groundwater flow direction in the vicinity of the landfills.

Potential contaminant impacts to the aquifer from the CFA Landfills will be assessed through the collection of groundwater samples from existing groundwater wells in the vicinity of the landfills.

# 5.2 Existing Groundwater Monitoring System

A series of groundwater monitoring wells exist within the vicinity of the CFA; specific monitoring wells in the immediate vicinity of the included wells are identified as LF2-8 through LF2-12 and LF3-8 through LF3-11. Additional monitoring wells up gradient of the CFA Landfills include United States Geological Survey (USGS) monitoring wells 20, 34 through 39, 57, 77, 82, 85, and 111 through 116. Three additional wells downgradient of CFA include CFA-MON-001, CFA-MON-002 and CFA-MON-003. Production wells used for sample collection downgradient of the landfills include CFA-1 and CFA-2. Locations of the groundwater monitoring wells are shown on Figure 5-1. Well construction details for the groundwater wells are included in the CFA Landfills RI/FS report (Keck, et al., 1994) and in the Comprehensive Well Survey report (Sehlke, et al., 1992).

OU 4-12, Monitoring WP INEL-95/0579 Revision 3 June 1996

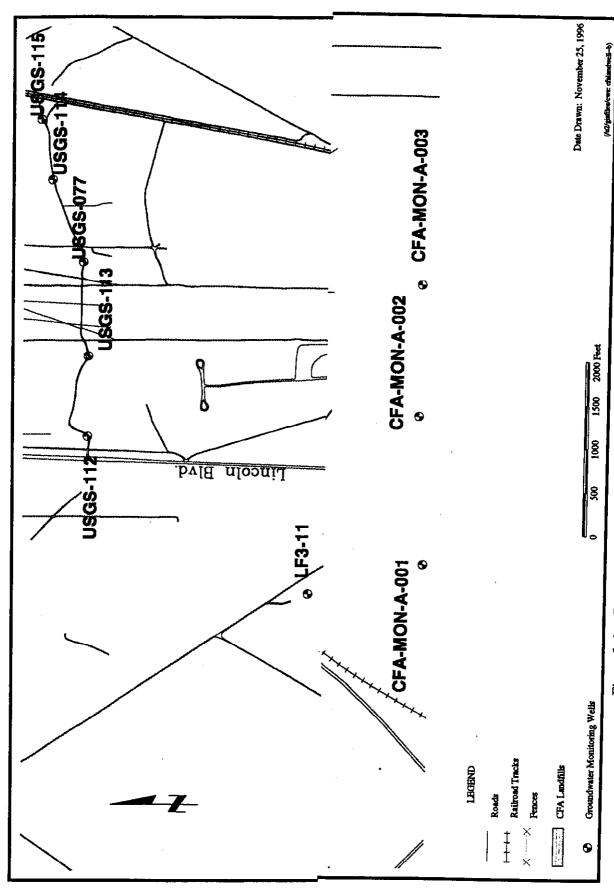


Figure 5-1 - Groundwater Monitoring Well Locations at CFA Landfills I, II, and III

## 5.3 Groundwater Monitoring System Modifications

At this time, no additions to the existing groundwater monitoring system are planned, although the possible advantages of adding another groundwater monitoring well down gradient from Landfill I have been evaluated. All parties agreed, however, to increasing the level of vadose zone monitoring through the installation of additional soil gas sampling boreholes rather than installing the downgradient monitoring well. The need for additional monitoring well(s) will be reevaluated should future vadose zone or groundwater monitoring indicate that contaminants are leaching from the landfills.

In addition, monitoring wells LF2-12 and LF3-11, used during the RI, are obstructed due to pumps which have become lodged inside of the well casings. Repeated attempts to remove the obstructions have been unsuccessful. In both wells, the obstructions are in the casing above the water table and neither well can be sampled. LF2-12 is considered irreparable and will be abandoned. Additional attempts to remove the obstruction in LF3-11 will be made. If the repair of LF3-11 is successful, it will be added to the list of wells to be sampled under this monitoring plan. If LF3-11 cannot be repaired, it will be abandoned. Because of its uncertain status as a monitoring point, LF3-11 is not included for sampling in this monitoring plan.

# 5.4 Groundwater Monitoring Data Collection

Groundwater elevation data will be collected from a total of 28 wells surrounding the CFA Landfills. Wells to be measured are included in Table 5-1.

Table 5-1 - Wells for Groundwater Elevation Data Collection

Well Name	Well Name	Well Name	Well Name
LF2-8	LF3-10	USGS 38	USGS 111
LF2-9	USGS 20	USGS 39	USGS 112
LF2-10	USGS 34	USGS 57	USGS 113
LF2-11	USGS 35	USGS 77	USGS 114

### SECTION 4

## SAMPLING LOCATION AND FREQUENCY

The material presented in this section is intended to support the DQOs summarized in Section 3. A summary of the sampling schedules for two-year intensive monitoring and long term monitoring is presented in the Post Record of Decision Monitoring Work Plan Central Facilities Area Landfills I, II, and III Operable Unit 4-12 (INEL-95/0579) (monitoring work plan). Sample and Analysis Plan tables for the soil gas and groundwater analyses are provided in Attachment A of the FSP. QA/QC samples to be collected are tabulated in Attachment B. These tables will aid in the sample labelling and tracking. All activities outlined in this FSP will be carried out in accordance with applicable health and safety regulations and requirements as discussed in the Health and Safety Plan for this project.

## 4.1 Sampling Locations

### 4.1.1 Infiltration Monitoring

Infiltration monitoring consists of:

- The installation and logging of the TDR array at CFA Landfills I & II,
- Neutron probe logging of the existing five Neutron Probe Access Tubes (NPAT).

A schematic of the NPATs and the location of the existing NPATs are specified in Section 3.0 of the *monitoring work plan* for the CFA. The depths for the five NPATs are provided in Table 4-1, below.



December 17, 1996

Mr. R. P. Wells Parsons Engineering Science, Inc. P.O. Box 1625, MS 3954 Idaho Falls, ID 83415

DELIVERY OF REVISIONS 6.0 OF THE SAMPLING AND ANALYSIS PLAN (SAP) TABLE FOR THE QUARTERLY POST RECORD OF DECISION (ROD) MONITORING OF CENTRAL FACILITIES AREA NORTH (CFA) LANDFILLS VII/III - FISCAL YEARS (FY) 1996 THROUGH 1998 AND REVISIONS 5.0 OF THE SAP TABLES FOR THE POST ROD MONITORING OF CFA LANDFILLS VII/III FOR FY-99 THROUGH FY-2001 - ADC-58-96

Dear Mr. Wells:

Enclosed please find revisions 6.0 of the sampling and analysis plan tables for the Post ROD Monitoring of CFA Landfills I/II/III - the last two quarters of FY96 and the four quarters of FY 97 and 98 and revisions 5.0 of the SAP tables for the Post ROD Monitoring of CFA Landfills I/II/III for FY99 through FY2001. As per your request, the sample depths were changed on each of the tables to reflect the approximate depths encountered during the last sampling activity. Please review the tables carefully and let me know if additional modifications are needed.

Sincerely,

A. D. Chapman

Sample Management Office

**ADC** 

**Enclosure** 

cc:

D. M. Funk, LMITCO, MS 3910

F. M. Gosswiller, LMITCO, MS 3910

S. A. Hoiland, LMITCO, MS 3910

D. Jones, LMITCO, MS 3910

C. S. Watkins, LMITCO, (w/o Encl), MS 3910

ARDC Files, MS 3922

File Code 6404, (w/o Encl)

Plan Table Number: 0U4-12-LF-GW1

SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS

Page \_\_1 of \_\_1

SAP Number: Date: 12/17/96

AT1: Alkalinity AT2: CLP Metals

Plan Table Revision: 6.0

Project: OU 4-12 POST ROD MONITORING-CFA LANDFILLS [/[]/[]]-JUL 1996

Project Manager: G. B. COTTEN

Form No: SAP118

	SAI	MPLE DESCRIPTION	1					SAMPLE	LOCATION							EN	TER A	NALYS	IS TY	PES (	AT) A	NO GU	AHT [ TY	REGL	JESTED				
			,			<u> </u>		<del>,</del>	1		AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT 10	AT11	AT12	AT13 A	114	AT15	AT 16	AT 17	ATIS	AT19 AT2
SAMPLING ACTIVITY	SAMPLE TYPE	MEDIA		SAMPLING METHOD	PLANNED DATE		AREA	LOCATION	TYPE OF LOCATION	DEPTH (ft)	_	_	_	_	_	VF													7117 212
480001	REG	GROUND WATER	GRAB		07/10/96	CFA		LF Z-8	AQUIFER WELL	<sup>-</sup> 486	1	1	1	1	1		1							$\neg$					
440002	REG	GROUND WATER	GRAB		07/10/96	CFA		LF 2-9	AQUIFER WELL	<sup>-</sup> 486	1	1	1	1	1		1												
440003	REG	GROUND WATER	GRAB		07/10/96	CFA		LF 2-11	AQUIFER WELL	<sup>-</sup> 480	1	1	1	1	1	1													
4MQ004	REG/QC	GROUND WATER	DUP		07/10/96	CFA		LF 3-8	AQUIFER WELL	<sup>-</sup> 503	2	2	2	2	1		2												_
4MQ005	REG	GROUND WATER	GRAB		07/10/96	CFA		LF 3-9	AQUIFER WELL	T495	-	1	1	1	1		1												
4MQ006	REG	GROUND WATER	GRAB		07/10/96	CFA		LF 3-10	AQUIFER WELL	<sup>-</sup> 494	1	1	1	1	1		1											$\neg$	_
4MQ007	REG	GROUND WATER	GRAB		07/10/96	CFA		uscs-85	AQUIFER WELL	<sup>-514</sup>	1	1	1	1	1	-	1												
4M0008	RÉG	GROUND WATER	GRAB		07/10/96	CFA		LF 2-10	AQUIFER WELL	<sup>-</sup> 547	1	1	1	1	1		1									Ī			
480009	οс	WATER	FBLK		07/10/96	ÇFA		QC	FIELD BLANK	N/A		1					1					L						$\neg$	
4MQ010	QC	WATER	RNST		07/10/96	ÇFA		qc	RINSATE	H/A	1	1	1	1			1		<u> </u>										
4MQ011	qc	WATER	TBLK		07/10/96	CFA		qc	TRIP BLANK	N/A					<u> </u>		2								[				
4MQ012	REG	GROUND WATER	GRAB		07/10/96	CFA		CFA-MON-001	AQUIFER WELL	"512	1	1	1	1	1		1												
4MQ013	REG	GROUND WATER	GRAB		07/10/96	CFA		CFA-MON-002	AQUIFER WELL	<b>-512</b>	1	1	1	1	1		1												
4MQ014	REG	GROUND WATER	GRAB		07/10/96	CFA	. <u>.</u> .	CFA-MON-003	AQUIFER WELL	~494 ·	1	1	1	1	1		1											$\Box$	
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The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

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AT2:	CLP Metals	AT12:	<u></u>
AT3:	Chloride/Fluoride/Sulfate	AT13:	
AT4:	Nitrate/Nitrite	AT14:	
AT5:	Gamma Screen	AT15:	
AT6:	VOCs by GC/MS (8260) - MS/MSD	AT16:	
AT7:	VOCs by GC/MS (8Z60)	AT17:	
:8TA	:	AT18;	
A19:		AT19:	
AT10;		AT20:	

COMMENTS

Plan Table Number: <u>OU4-12-LF-GW2</u> SAP Number: Date: 12/17/96 Plan Table #

SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS

Page \_\_1 of \_\_1

Plan Table Revision: 6.0

Project: OU 4-12 POST ROD MONITORING-CFA LANDFILLS 1/11/111-OCT 1996

Project Manager: G. B. COTTEN

Form No: SAP118

	SAI	MPLE DESCRIPTION						SAMPLE	LOCATION	•						EN	TER /	MALYS	IS TY	PES (	AT) A	שם סא	ANTETY	r REGI	JESTE	,			
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SAMPLING ACTIVITY	SAMPLE TYPE	MEDIA		SAMPLING METHOD	PLANNED DATE		AREA	LOCATION	TYPE OF LOCATION	DEPTH (ft)	Α1		F3	+	+	VF	+												A117 A1
4MQ050	REG	GROUND WATER	GRAB		10/10/96	CFA		LF 2-8	AQUIFER WELL	<sup>-</sup> 486	1	1	1	1	1		1		l										
4MQ051	REG	GROUND WATER	GRAB		10/10/96	CFA		LF 2-9	AQUIFER WELL	<sup>-</sup> 486	1	1	1	1	1		1												
440052	REG	GROUND WATER	GRAB		10/10/96	CFA		LF 2-11	AQUIFER WELL	~480	1	1	1	1	1	1													
4MQ053	REG/OC	GROUND WATER	DUP		10/10/96	ÇFA		LF 3-8	AQUIFER WELL	<sup>-</sup> 503	2	2	2	2	1		2												-
4MQ054	REG	GROUND WATER	GRAB		10/10/96	CFA	-	LF 3-9	AQUIFER WELL	<sup>-</sup> 495	1	1	_1	1	1		1												
4MQ055	REG	GROUND WATER	GRAB		10/10/96	ÇFA		LF 3-10	AQUIFER WELL	-494	1	1	1	1	1		1												
4MQ056	REG	GROUND WATER	GRAB		10/10/96	CFA		usgs-85	AQUIFER WELL	<sup>-</sup> 514	1	1	1	1	1		1												
4NQ057	REG	GROUND WATER	GRAB		10/10/96	CFA		LF 2-10	AOUIFER WELL	~547	1	1	1	1	1		1										_		
4MQ058	QC	WATER	FBLK		10/10/96	CFA		QC .	FIELD BLANK	N/A		-1			L	l	1												
4MQ059	OC.	WATER	RNST		10/10/96	CFA		oc	RINSATE	N/A	1	1	1	1			1												
4MQ060	QC	WATER	TBLK		10/10/96	CFA		oc .	TRIP BLANK	N/A							2												
4MQD61	REG	GROUND WATER	GRAB		10/10/96	CFA		CFA-MON-001	AQUIFER WELL	7512	1	1	1	1	1		1												
4MQ062	REG	GROUND WATER	GRAB		10/10/96	CFA		CFA-MON-00Z	AQUIFER WELL	7512	1	1	1	1	1		1												
4MQ063	REG	GROUND WATER	GRAB		10/10/96	CFA		CFA-MON-003	AQUIFER WELL	-494	1	1	1	1	1		1												
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AT1: Alkalinity	AT11:	
ATZ: CLP Metals	AT12:	
AT3: Chloride/Fluoride/Sulfate	AT13:	
AT4: Nitrate/Mitrite	AT14:	
AT5: Gamma Screen	AT15:	
AT6: VOCs by GC/MS (8260) - MS/MSD	AT16:	
AT7: VOCs by GC/MS (8260)	AT17:	
AT8:	AT18:	
AT9:	AT19:	
T10:	AT20:	

Plan Table Number: <u>QU4-12-LF-GW3</u> SAP Number: Date: 12/17/96 Pian Table (

SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS

Pian Table Revision: 6.0

Project: OU 4-12 POST ROD MONITORING-CFA LANDFILLS I/II/III-JAN 1997

Project Manager: G. B. COTTEN

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SAMPLING ACTIVITY		MED (A		METHOD	DATE	AREA	LOCATION	LOCATION	(ft)	A1	C1	F3	N2	R5	VF	VG												
449101	REG	GROUND WATER	GRAB		01/10/97	CFA	LF 2-8	AQUIFER WELL	<sup>-</sup> 486	1	1	1	1	1		1												$\neg$
489102	REG	GROUND WATER	GRAB		01/10/97	CFA	LF 2-9	AQUIFER WELL	<sup>-</sup> 486	1	1	1	1	1		1												
4MQ103	REG	GROUND WATER	GRAB		01/10/97	CFA	LF 2-11	AQUIFER WELL	~480	1	1	1	1	1	1													
4MQ104	REG/QC	GROUND WATER	DUP		01/10/97	CFA	LF 3-8	AQUIFER WELL	~503	2	2	2	2	1		2											7	
4HQ105	REG	GROUND WATER	GRAB		01/10/97	CFA	LF 3-9	AQUIFER WELL	°495	1	1	1	1	1		1												
4MQ 106	REG	GROUND WATER	GRAS		01/10/97	CFA	LF 3-10	AQUIFER WELL	-494	1	1	1	1	1		1											T	
4MQ107	REG	GROUND WATER	GRA8		01/10/97	CFA	USGS-85	AQUIFER WELL	<sup>-</sup> 514	1	1	1	1	1		1												
4MQ 108	REG	GROUND WATER	GRAÐ		01/10/97	CFA	LF Z-10	AQUIFER WELL	~547	1	1	1	1	1		1												
4MQ109	ос	WATER	FBLK		01/10/97	CFA	ac	FIELD BLANK	N/A		1	Π				1												
4MQ110	qc	WATER	RNST	-	01/10/97	CFA	QC	RINSATE	N/A	1	1	1	1			1												
4HQ111	QC	WATER	TBLK		01/10/97	CFA	oc	TRIP BLANK	N/A							2											$\neg$	
4HQ112	REG	GROUND WATER	GRAB		01/10/97	CFA	CFA-MON-001	AQUIFER WELL	7512	1	1	1	1	1		1.											$\neg$	
4MQ113	REG	GROUND WATER	GRAB		01/10/97	CFA	CFA-MON-002	AQUIFER WELL	7512	1	1	1	1	1		1								·-	Ì			
4MQ114	REG	GROUND WATER	GRA8		01/10/97	CFA	CFA-MON-003	AQUIFER WELL	-494	1	1	1	1	1		1											$\dashv$	
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AT1: Alkalinity	AT11:	
AT2: CLP Metals	AT12:	
AT3: Chloride/Fluoride/Sulfate	AT13:	
AT4: Nitrate/Nitrite	AT14:	
AT5: Gamma Screen	AT15:	,
AT6: VOCs by GC/MS (8260) - MS/MSD	AT16:	
AT7: VOCs by GC/MS (8260)	AT17:	
A18:	AT18:	
AT9:	AT19:	
AT10:	AT20:	

Plan Table Number: 004-12-LF-GW4

#### SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS

SAP Number: Date: 12/17/96

Plan Table Revision: 6.0

Project: OU 4-12 POST ROD MONITORING-CFA LANDFILLS 1/11/111-APR 1997

Project Manager: G. B. COTTEN

Form No: SAPIIB

	SA	HPLE DESCRIPTION	•				SAMPLE	LOCATION		L					EX	TER A	NALYS	15 TY	PES (A	IT) AI	ND QU	YTITKA	REQU	ESTED				·
								<del></del>	····	AT I	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT 10	AT11	AT12	AT13	AT 14	AT15	ATIA	AT17	AT10	AT 19 AT
SAMPLING ACTIVITY	SAMPLE TYPE	MEDIA		SAMPLING METHOD	PLANNED DATE	AREA	LOCATION	TYPE OF LOCATION	DEPTH (ft)	-			H2	_	VF	VG									-		^110	ALIVAL
4MQ150	REG	GROUND WATER	GRAB		04/10/97	CFA	LF 2-8	AQUIFER WELL	"486	1	1	1	1	1		1												
4MQ151	REG	GROUND WATER	GRAB		04/10/97	CFA	LF 2-9	AQUIFER WELL	<sup>-</sup> 486	1	1	1	1	1		1												
4HQ152	REG	GROUND WATER	GRAB		04/10/97	CFA	LF 2-11	AQUIFER WELL	~480	1	1	1	1	1	1													
4HQ153	REG/QC	GROUND WATER	DUP		04/10/97	CFA	LF 3-8	AQUIFER WELL	<sup>-503</sup>	2	2	2	2	1		2											$\neg$	
449154	REG	GROUND WATER	GRAB		04/10/97	CFA	LF 3-9	AGUIFER WELL	<sup>-</sup> 495	1	1	1	1	1		1												
4MQ155	REG	GROUND WATER	GRAB		04/10/97	CFA	LF 3-10	AQUIFER WELL	~494	1	-	1	1	1		1												
4MQ156	REG	GROUND WATER	GRAB		04/10/97	CFA	usgs-85	AQUIFER WELL	~514	1	-	1	1	1		1												
4MQ157	REG	GROUND WATER	GRAB		04/10/97	CFA	LF Z-10	AQUIFER WELL	-547	1	-	1	1	1		1									$\neg$		$\neg$	
4MQ158	QC	WATER	FBLK		04/10/97	CFA	QC .	FIELD BLANK	H/A		1					1											$\Box$	
4MQ159	QC	WATER	RHST		04/10/97	CFA	QC	RINSATE	H/A	1	1	1	1			1												
4MQ 160	qc	WATER	TBLK		04/10/97	CFA	ec	TRIP BLANK	N/A							2							$\neg$					
4MQ161	REG	GROUND WATER	GRAB		04/10/97	CFA	CFA-MON-001	AQUIFER WELL	<sup>-</sup> 512	1	1	1	1	1		1												
4MQ162	REG	GROUND WATER	GRAB		04/10/97	CFA	CFA-MON-002	AQUIFER WELL	~512	1	1	. 1	1	. 1		1												
4MQ163	REG	GROUND WATER	GRAS		04/10/97	CFA	CFA-MON-003	AQUIFER WELL	-494	. 1	1	1	1	1		1												
	1	-						1																				

The complete sample identification number (10 characters) with	ppear on trees gardenes forms and competitions	COMMENTS
AT1: Alkalinity	_   AT11:	
ATZ: CLP Metals	_ AT12:	
AT3: Chloride/Fluoride/Sulfate	AT13:	
AT4: Mitrate/Mitrite	AT14:	
AT5: Gamma Screen	AT15:	
AT6: VDCs by GC/MS (8260) - MS/MSD	AT16:	
AT7: VOCs by GC/MS (8260)	_ AT17:	
AT8:	AT18:	
AT9:	AT19:	
NT10:	AT20:	

Plan Table Number: <u>QU4-12-LF-GWS</u>
SAP Number:
Date: 12/17/96 Plan Table S

#### SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS

Page \_\_1 of \_\_1

Plan Table Revision: 6.0

Project: OU 4-12 POST ROD MONITORING-CFA LANDFILLS I/II/III-JUL 1997

Project Manager: G. B. COTTEN

Form No: SAP118

	SAI	HPLE DESCRIPTION	1	-			SAMPLE	LOCATION							EX	TER A	NALYS	IS TY	PES (	AT) A	ND QU	TITKA	Y REQ	JESTE	)			
					1			,	<del></del>	AT1	AT2	AT3	AT4	AT5	AT6	AT7	8TA	AT9	AT10	AT11	AT 12	AT 13	AT14	AT15	AT16	AT17	AT18	AT19 AT2
SAMPLING ACTIVITY	SAMPLE TYPE	MEDIA	COLL	SAMPLING METHOD	PLANNED DATE	ARE	A LOCATION	TYPE OF LOCATION	DEPTH (ft)		C1	_	-	+	_	VG	<del></del>											A117 A12
4MQ201	REG	GROUND WATER	GRAB		07/10/97	CFA	LF 2-8	AQUIFER WELL	<sup>-</sup> 486	1	1	1	1	1		1												-
449202	REG	GROUND WATER	GRA8		07/10/97	CFA	LF 2-9	AQUIFER WELL	<sup>-</sup> 486	1	1	1	1	1		1												
4MQ203	REG	GROUND WATER	GRAB		07/10/97	CFA	LF 2-11	AQUIFER WELL	<sup>-</sup> 480	1	1	1	1	1	1													_
440204	REG/OC	GROUND WATER	DUP		07/10/97	CFA	LF 3-8	AQUIFER WELL	~503	2	2	2	2	1		2						_					一	_
440205	REG	GROUND WATER	GRAB		07/10/97	CFA	LF 3-9	AQUIFER WELL	~495	1	1	1	1	1		1												$\neg$
4MQ206	REG	GROUND WATER	GRAB		07/10/97	CFA	LF 3-10	AQUIFER WELL	-494	1	1	1	1	1		1												
4MQ207	REG	GROUND WATER	GRAB		07/10/97	CFA ,	usgs-85	AQUIFER WELL	*514	1	1	1	1	1		ī												
449208	REG	GROUND WATER	GRAB		07/10/97	CFA	LF 2-10	AQUIFER WELL	7547	1	1	1	1	1		1												
4MQ209	QC	WATER	FBLK		07/10/97	CFA	QC	FIELD BLANK	A/K		1					1												
4M9210	qC	WATER	RNST		07/10/97	CFA	QC .	RINSATE	N/A	t	1	1	1			1				-								
480211	ac	WATER	TBLK		07/10/97	CFA .	oc	TRIP BLANK	H/A							2												
490212	REG	GROUND WATER	GRAB		07/10/97	CFA	CFA-MON-001	AQUIFER WELL	<sup>-</sup> 512	1	1	1	1	1		1												
4MQ213	REG	GROUND WATER	GRAB		07/10/97	CFA	CFA-MON-002	AQUIFER WELL	7512	1	1	1	1	1		1												
4M0214	REG	GROUND WATER	GRAB		07/10/97	CFA	CFA-MON-003	AQUIFER WELL	~494	1	1	1	1	1		1												
	T .							1		-		İ	"															

AITI:	
AT12:	
AT13:	
AT14:	
AT15:	
AT16:	
AT17:	
AT18:	
AT19:	
ATZO:	
	AT13: AT14: AT15: AT16: AT16: AT17: AT18: AT19:

Plan Table Number: <u>OU4-12-LF-GW11</u> SAP Number: Date: 12/17/96 Plan Table R

#### SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS

Form No: SAP118

Page \_\_1 of \_\_1

Plan Table Revision: 5.0

Project: OU 4-12 POST ROD HONITORING-CFA LANDFILLS 1/11/111-JUL 2001

Project Manager: G. B. COTTEN

	SAI	PLE DESCRIPTION					SAMPLE	LOCATION							EN'	TER A	NALYS	IS TY	PES (	AT) A	ND QU	ANTETI	REQL	JESTED				
							<u></u>	<del>- <sub> </sub></del>	<del>,</del>	AT1	ATZ	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	ATTA	AT19 AT
SAMPLING ACTIVITY	SAMPLE TYPE	MEDIA		SAMPLING METHOD	PLANNED DATE	AREA	LOCATION	TYPE OF LOCATION	DEPTH (ft)	-	R5	+	+	+														
4MQ501	REG	GROUND WATER	GRAÐ		07/10/01	CFA	LF 2-8	AQUIFER WELL	~486	1	1		1															
4140502	REG	GROUND WATER	GRAB		07/10/01	CFA	LF 2-9	AQUIFER WELL	<sup>-</sup> 486	1	1		t												$\neg$			
4MQ503	REG	GROUND WATER	GRA6		07/10/01	CFA	LF 2-11	AQUIFER WELL	~480	1	1	1																
4MQ504	REG/QC	GROUND WATER	DUP		07/10/01	CFA	LF 3-8	AQUIFER WELL	~503	2	1		2															
4MQ505	REG	GROUND WATER	GRAB		07/10/01	CFA	LF 3-9	AQUIFER WELL	<sup>-</sup> 495	1	1		1															
4MQ506	REG	GROUND WATER	GRAB		07/10/01	CFA	LF 3-10	AQUIFER WELL	-494	1	1		1															
4MQ507	REG	GROUND WATER	GRAB		07/10/01	CFA	uscs-85	AQUIFER WELL	7514	1	1		1															
4MQ508	REG	GROUND WATER	GRAB		07/10/01	CFA	LF 2-10	AQUIFER WELL	<sup>-</sup> 547	1	1		1											[				
4HQ509	QC	WATER	FBLX		07/10/01	CFA	oc	FIELD BLANK	N/A	1			1				L	<u> </u>										
4MQ510	qc	WATER	RNST		07/10/01	CFA	<b>GC</b>	RINSATE	N/A	1			1															
4MQ511	qc	WATER	TBLK		07/10/01	CFA	oc	TRIP BLANK	N/A				2															
440512	REG	GROUND WATER	GRAB		07/10/01	CFA	CFA-MON-001	AQUIFER WELL	~512	1	1		1															
4HQ513	REG	GROUND WATER	GRAB		07/10/01	CFA	CEA-MON-005	AQUIFER WELL	<sup>-512</sup>	1	1	1	1				<u> </u>											
440514	REG	GROUND WATER	GRAB		07/10/01	CFA	CFA-MON-003	AQUIFER WELL	-494	1	1		1															
	1												1										- 1					. 1

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

#### COMMENTS

AT1: CLP Metals	ATTI:	
AT2: Gamma Screen	AT12:	
AT3: VOCs by GC/MS (8260) - MS/MSD	AT13:	
AT4: VOCs by GC/MS (8260)	AT14:	
AT5:	AT15:	
AT6:	AT16:	
AT7:	AT17:	
AT8:	AT18:	
AT9:	AT19:	
AT10:	AT20:	

SAMPLING AND ANALYSIS PLAN TABLE FOR CHENICAL AND RADIOLOGICAL ANALYSIS

Form No: SAP11B Page 1 of 1

Project: OU 4-12 POST ROD MONITORING-CFA LANDFILLS 1/11/111-0CT 1997 Plan Table Revision: 6.0 Plan Fable Number: QU4-12-LF-GW6 SAP Number: Date: 12/17/96 Plan Table

SAMPLE TYPE MEDIA

SAMPLING ACTIVITY

REG

4440251 4,40250

REG

4M0252 4M0253

REG REG

4H0254 4MQ255 4MG256 440257

REG REG

AT1 AT2 AT3 AT6 AT5 AT6 AT7 AT8 AT9 AT10 AT11 AT12 AT13 AT14 AT15 AT17 AT18 AT19 AT20 ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED Project Manager: G. B. COTTEN Ş ~ 2 갂 Ľ ~ ច Ŧ DEPTH (ft) 7,88 98% 087\_ .503 263 767\_ 314 275\_ ADUITER WELL ADUITER WELL AOUIFER WELL AQUIFER WELL AQUIFER WELL AQUIFER WELL TYPE OF LOCATION AOUIFER WELL ADULTER WELL SAMPLE LOCATION LOCATION LF 3-10 LF 2-10 LF 2-8 LF 2-11 **USGS-85** LF 2-9 LF 3-8 LF 3-9 AREA 10/10/97 CFA SAMPLING PLANNED METHOD DATE gy8 GRAB GRAB GRAB GRAB GRAB 喜 SAMPLE DESCRIPTION REG GROUND WATER GROUND WATER GROUND WATER GROUND WATER REG/GC GROUND WATER GROUND WATER GROUND WATER GROUND WATER

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

AT11: AT12: AT13: AT15: AT15:					
lfate	AT11:	AT12:	A713:	A714:	A715:
AT1: Atkalinity AT2: CLP Metals AT3: Chloride/Fluoride/Su AT4: Mitrate/Nitrite AT5: Gama Screen	1: Alkalinity	2: CLP Metals	AT3: Chloride/Fluoride/Sulfate	4: Witrate/Witrite	ATS: Garma Screen

COMMENTS

N

-512

AGUIFER WELL

CFA-MON-002 CFA-MON-001

GRAB

GROUND WATER GROUND WATER

Æ REG REG

GROUND WATER

767.

AQUIFER WELL

CFA-MON-003

-512 \$

AQUIFER WELL

TRIP BLANK RINSATE

8 R

10/10/97 CFA

RNST

10/10/97 CFA 10/10/97 CFA 10/10/97 CFA 10/10/97 CFA

T8LK GRAB

10/10/97 CFA

FELK

WATER WATER WATER

Ä ម 용

449258

4M0259 4HQ260 444261 449262 4HG263

\* ¥ \*

FIELD BLANK

Å

AT6: AT7: AT8: AT9: AT10: Plan Table Number: <u>OU4-12-LF-GW7</u>
SAP Number:
Date: 12/17/96 Plan Table

SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS

Plan Table Revision: 6.0

Project: OU 4-12 POST ROD MONITORING-CFA LANDFILLS 1/11/111-JAN 1998

Project Manager: G. 8. COTTEN

	SAMPLE DESCRIPTION						SAMPLE LOCATION								EX	ITER A	NALYS	IS TY	PES (	AT) A	ND QU	ANTIT	Y REQL	JESTEC	,			No: SA	
		·					<del></del>	T	<del></del>	AT1	AT2	AT3	AT4	AT5												4717	4740	AT 19	
SAMPLING ACTIVITY	SAMPLE TYPE	HED I A		SAMPLING HETHOD	PLANNED DATE	AREA	LOCATION	TYPE OF	OEPTH (ft)	A1					VF		_	<del>                                     </del>							λ110	A11/	A1 10	ALIAL	1120
440301	REG	GROUND WATER	GRAB		01/10/98	CFA	LF 2-8	AGUIFER WELL	-486	1	1	1	1	1		1		<b> </b>			<b> </b>							┝╾┼	
4MQ302	REG	GROUND WATER	GRAB		01/10/98	CFA	LF 2-9	AGUIFER WELL	<sup>-</sup> 486	1	1	1	1	1		1	_	-	_		_	-	.		_			1	
4M0303	REG	GROUND WATER	GRAB		01/10/98	CFA	LF 2-11	AQUIFER WELL	~480	1	1	1	1	1	1	1	$\vdash$	1							_			┝╌┼	_
4M0304	REG/QC	GROUND VATER	DUP		01/10/98	CFA	LF 3-8	AQUIFER WELL	~503	2	2	2	2	1		2		_			$\vdash$			$\neg \dagger$			$\dashv$	<del>                                     </del>	
4M0305	REG	GROUND WATER	GRAB		01/10/98	CFA	LF 3-9	AQUIFER WELL	<sup>-</sup> 495	1	1	1	1	. 1		1				-					$\dashv$		$\dashv$		
440306	REG	GROUND WATER	GRAB		01/10/98	CFA	LF 3-10	AQUIFER WELL	-494	1	1	1	1	1		1		_							-	-	$\dashv$	-+	_
4Ma307	REG	GROUND VATER	GRAB		01/10/98	CFA	usgs-85	AQUIFER WELL	7514	1	. 1	1	1	1		1										$\rightarrow$		$\overline{}$	
4MQ308	REG	GROUND WATER	GRA8		01/10/98	CFA	LF 2-10	AQUIFER WELL	-547	1	1	1	1	1		1					<u> </u>				7	-	$\dashv$	_	
4MQ309	qc	MATER	FBLK		01/10/98	CFA	qc	FIELD BLANK	N/A		1					1										7	$\neg$		-
4на310	QC .	WATER	RNST		01/10/98	CFA	9C	RINSATE	H/A	1	1	1	1			1									1	$\dashv$	$\dashv$	$\dashv$	ᅱ
4MQ311	QC .	WATER	TBLK		01/10/98	CFA	oc	TRIP BLANK	N/A							2								_	$\dashv$	$\dashv$	$\dashv$	-	$\dashv$
4MQ312	REG	GROUND WATER	GRAB		01/10/98	CFA	CFA-MON-001	AQUIFER WELL	7512	1	1	1	1	1		1										_	$\dashv$		$\dashv$
4мо313	REG	GROUND WATER	GRAB		01/10/98	CFA	CFA-MON-002	AQUIFER WELL	7512	1	1	1	1	1		1								_	_	-+	$\dashv$		ᅴ
4MQ314	REG	GROUND WATER	GRAB		01/10/98	CFA	CFA-MON-003	AQUIFER WELL	-494	1	1	1	1	1		1							T	十		_	$\dashv$		$\dashv$
																												_	$\dashv$

AT1:	Alkalinity	AT11:	
AT2:	CLP Metals	AT12:	
AT3:	Chloride/Fluoride/Sulfate	AT13:	
AT4:	Nitrate/Nitrite	AT14:	
AT5:	Gamma Screen	AT15:	
AT6:	VOCs by GC/MS (8260) - MS/MSD	AT16:	
AT7:	VOCs by GC/MS (8260)	AT17:	
AT8:		AT18:	
AT9:		AT19:	
AT10:		AT20:	

Plan Table Number: 004-12-LF-GW8

SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS

Page \_\_1 of \_\_1

SAP Number: Date: 12/17/96

Plan Table Revision: 6.0

Project: OU 4-12 POST ROD HONITORING-CFA LANDFILLS 1/11/111-APR 1998

Project Manager: G. B. COTTEN

	SAMPLE DESCRIPTION						ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED														No: SAF								
SAMPLING	SAMPLE		1100	SAMPLING	PI ANNED			TYPE OF	DEPTH	AT1	AT2	AT3	AT4	AT5												AT17	AT 18	AT 19 A	AT20
ACTIVITY		MED I A		METHOD	DATE	AREA	LOCATION	LOCATION	(ft)	A1		F3														$\vdash$	<u> </u>		_
4MQ350	REG	GROUND WATER	GRAB		04/10/98	CFA	LF 2-8	AQUIFER WELL	~486	1	1	1	1	1		1	1		1		t	<b>†</b>		_		<del> </del>	<del></del>	┼─┼	
449351	REG	GROUND WATER	GRAB		04/10/98	CFA	LF 2-9	AQUITER WELL	~486	1	1	1	1	1		1					1-	$\vdash$	-					$\vdash$	_
4449352	REG	GROUND WATER	GRAB		04/10/98	CFA	LF 2-11	AQUIFER WELL	~480	1	1	1	1	1	1	1		†  –		Ì		-					-	┝━┼	_
4MQ353	REG/QC	GROUND WATER	DUP		04/10/98	CFA	LF 3-8	AQUIFER WELL	503	2	2	2	2	1	<u> </u>	2			<del>                                     </del>		<del>                                     </del>						<del> </del>	<del>                                     </del>	_
4MQ354	REG	GROUND WATER	GRAB		04/10/98	CFA	LF 3-9	AQUIFER WELL	~495	1	1	1	1	1		1			t								·	┟╼═╉╌	
4MQ355	REG	GROUND WATER	GRAB		04/10/98	CFA	LF 3-10	AQUIFER WELL	494	1	1	1	1	1		1										; <del> </del>			
449356	REG	GROUND WATER	GRAB		04/10/98	CFA	USGS-85	AQUIFER WELL	7514	1	1	1	1	1	_	1	İ		<b> </b>			<del>                                     </del>						-	_
4MQ357	REG	GROUND WATER	GRAB		04/10/98	CFA	LF 2-10	AQUIFER WELL	~547	1	1	1	1	1		1			·					_		,	-		_
449358	qc	WATER	FBLK		04/10/98	CFA	qc	FIELD BLANK	N/A		1		_		ļ-	1								_	$\rightarrow$		_	-+	_
480359	oc	WATER	RNST		04/10/98	CFA	QC	RINSATE	N/A	1	1	1	1			1									-+		$\dashv$	-	
4MQ36Q	qc	WATER	TBLK		04/10/98	CFA	аc	TRIP BLANK	N/A							2				_				7				_	_
4MQ361	REG	GROUND WATER	GRAB		04/10/98	CFA	CFA-MON-001	AQUIFER WELL	<sup>-512</sup>	1	1	1	1	1		1								7	$\dashv$	$\neg$	$\dashv$		_
4HQ36Z	REG	GROUND WATER	GRAB		04/10/98	CFA	CFA-MON-002	AQUIFER WELL	T512	1	1	1	1	1		1								_	-	-	$\dashv$	+	_
4MQ363	REG	GROUND WATER	GRA8		04/10/98	CFA	CFA-MON-003	AQUIFER WELL	<sup>-</sup> 494	1	1	1	1	1		1							$\dashv$		1		$\dashv$	<del></del>	$\dashv$
																		ļ — —					<del></del>		_	$\dashv$	-+	-	

AT1:	Alkalinity	AT11:	
AT2:	CLP Metals	AT12:	
AT3:	Chtoride/Fluoride/Sulfate	AT13:	
AT4:	Nitrate/Nitrite	AT14:	
	Gamma Screen	AT15:	
	VOCs by GC/MS (8260) - MS/MS0	AT16:	
	VOCs by GC/MS (8260)	AT17:	
		AT18:	
AT9:		AT19:	
AT10:		AT20:	

SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS

SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS	CAL 4-12 POST RCD MONITORING-CFA LANDFILLS 1/11/111-JUL 1999 Project Nanager: G. B. COTTEN Form No: SAP118	SAMPLE LOCATION	ATT ATZ ATZ ATZ ATZ ATZ ATZ ATZ ATZ ATZ	*	F 2-8 AQUIFER WELL 7486 1 1 1	F 2-9 AQUIFER VELL 1486 1 1 1 1	F 2-11 AQUIFER VELL 7480 1 1 1	.F 3-8 AQUIFER WELL 703 2 1 2	F 3-9 AQUIFER VELL 7495 1 1 1	F 3-10 AGUIFER WELL 794 1 1 1	15GS-85 AQUIFER WELL "514" 1 1 1	F 2-10 AQUIFER WELL "547 1 1 1	IC FIELD BLANK N/A 1 1 1	DC RINSATE N/A 1 1	C TRIP BLANK N/A 2	554-WDW-001 AQUIFER WELL 7512 1 1 1 1	5FA-MON-002 AQUIFER WELL 7512 1 1 1 1	SFA-MON-DOS ADUTER NELL 7694 1 1 1
SI		ENTER A	ATS AT6 AT7															
LOGICAL ANALYSI	11/111-JUL 1995		AT3	*	1	-	-	2	-	-	-	-	-	-	2	-	-	-
AL AND RADIO	LANDFILLS 1/			្រ	1 987	1,006	1 087	_	1 567.	1 767.	516 1	1 275	1/A	1 1/W	. VI	512 1	512 1	1 767.
PLAN TABLE FOR CHENTO	T ROD MONITORING-CFA	LOCATION				_		-		$\dashv$	-		-		-		_	-
IG AND ANALYSIS I	-3 BO	SAMPLE		LOCATION	LF 2-8	1. 2-9	LF 2-11	LF 3-8	LF 3-9	LF 3-10	U\$G\$-85	LF 2-10	3C	<b>9</b>	26	CFA-MDK-001	CFA-MON-002	CFA-HON-003
SAMPLIN	Project:			AREA	CFA	CFA	CFA	CFA	CFA	CFA	CFA	CFA	CFA	CFA	CFA	CFA	CFA	CFA
	2.0			G PLANNED DATE	07/10/99 CFA	07/10/99 CFA	07/10/99 CFA	07/10/99 CFA	07/10/99 CFA	07/10/99 CFA	07/10/99 CFA	07/10/99 CFA	07/10/99 CFA	07/10/99 CFA	07/10/99 CFA	07/10/99 CFA	07/10/99 CFA	07/10/99 CFA
	Plan Table Revision: 5			COLL SAMPLING PLANNED TYPE METHOD DATE	GRAB	GRAB	GRAB	<u>_</u>	GRAB	GRAB	GRAB	GRAB	FBLK	RNST	TBLK	GRAB	GRAB	GRAB
S. S.	rable Re	10 K		8≿	T	1	П	an an		1		T	1 =	2	=	Τ_	1	Π
Plan Table Humber: OU4-12-LF-GU9	Plan 1	SAMPLE DESCRIPTION	<u> </u>	WED LA	GROUND LIATER	GROUND WATER	GROUND MATER	REG/OC GROUND MATER	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER	WATER	UATER	WATER	GROUND WATER	GROUND MATER	GROUND WATER
Kumber:	ber: 12/17/%	3	•	SAMPLE	Œ	REG	REG	REG/OC	REG	REC	REG	REG	မွ	å	g	REG	8EG	REG
e E	SAP Number: Date: 12/1			SAMPLING	7~	440402		4MQ404	444405	449406	4HQ407	8070H7	6070M7	449410	440411	499412	4,40413	4HQ414

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field quidence forms and sample labels.

COMMENTS

AT11:	A712:	AT13:	A714:	AT15:	AT16:	AT17:	AT10:	AT19:	A720:
AT1: CLP Metals	AT2: Gamma Screen	A13: VOCs by GC/MS (8260) - MS/MSD	AT4: VOCs by GC/MS (8260)	AT5:	A76:	477.	Kie	10.44	AT10:

Plan Table Number: 004-12-LF-GW10

#### SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS

COMMENTS

Project Manager: G. B. COTTEN

Page \_\_1 of \_\_1 Form No: SAP118

SAP Number: Date: 12/17/96

Plan Table Revision: 5.0

Project: OU 4-12 POST ROD MONITORING-CFA LANDFILLS [/[[/][]-JUL 2000]

SAMPLE LOCATION ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED SAMPLE DESCRIPTION AT4 AT5 AT6 AT7 AT8 AT9 AT10 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT19 AT20 AT1 AT2 AT3 COLL SAMPLING PLANNED TYPE OF DEPTH SAMPLING SAMPLE AREA LOCATION LOCATION (ft) C1 R5 VF VG METHOD ACTIVITY TYPE MEDIA DATE LF 2-8 <sup>-</sup>486 AQUIFER WELL 1 4MQ450 GROUND WATER GRAB 07/10/00 CFA 1 REG GRAS 07/10/00 CFA LF 2-9 AQUIFER WELL <sup>-486</sup> 1 1 1 4MQ451 GROUND WATER REG AQUIFER WELL 07/10/00 CFA LF 2-11 1480 1 1 4MQ452 REG GROUND WATER GRAB 07/10/00 CFA LF 3-8 AQUIFER WELL **"503** 2 2 4MQ453 REG/OC GROWND WATER OUP GRAB 07/10/00 CFA LF 3-9 AQUIFER WELL T495 1 1 1 4MQ454 REG GROUND WATER ~494 07/10/00 CFA LF 3-10 AQUIFER WELL 1 t 1 4MQ455 REG GROUND WATER GRAB usgs-85 AQUIFER WELL 7514 GRAB 07/10/00 CFA 1 4MQ456 GROUND WATER REG 4HQ457 GRAB 07/10/00 CFA LF 2-10 AQUIFER WELL "547 1 REG GROUND WATER FIELD BLANK 07/10/00 CFA oc N/A 1 1 FBLK 4MQ458 WATER RINSATE QC. N/A 1 1 4MQ459 QC MATER RNST 07/10/00 CFA WATER TBLK 07/10/00 CFA QÇ TRIP BLANK N/A 2 4MQ460 QC CFA-MON-001 AQUIFER WELL 7512 GRAS 07/10/00 CFA 1 1 1 4MQ461 REG GROUND WATER 07/10/00 CFA CFA-MON-002 AQUITER WELL T512 1 1 4MQ462 REG GROUND WATER GRAB 1 ~494 CFA-MON-003 AQUIFER WELL 1 4MQ463 REG GROUND WATER GRAB 07/10/00 CFA 1 1

AT1:	CLP Metals	AT11:	
AT2:	Gamma Screen	ATTZ:	
AT3:	VOCs by GC/MS (8260) - MS/MSD	AT13:	
AT4:		AT14:	
AT5:		AT15:	
		AT16:	
AT7:		AT17:	
AT8:		AT18:	
AT9:		AT19:	
AT10:		AT20:	